

ABSTRACT OF THE DISCLOSURE

5 A new set of effective, environmentally safe, nonflammable, low-toxicity
.. refrigerants, solvents, foam blowing agents, propellants, and firefighting agents is
disclosed. The agents are clean, electrically nonconductive, and have short
atmospheric lifetimes, zero ozone-depletion potential, and low global warming
potentials. The agents comprise at least one fluoroiodocarbon agent satisfying the
10 general formula $C_aH_bBr_cCl_dF_eI_fN_gO_h$, wherein a is between and including 1 and
8; b is between and including 0 and 2; c, d, g, and h are each between and
including 0 and 1; e is between and including 1 and 18; and f is between and
including 1 and 2, either neat or mixed with additives selected from the group
consisting of: alcohols, esters, ethers, fluoroethers, hydrocarbons,
15 hydrofluorocarbons, and perfluorocarbons.